

APPENDIX G
AFFECTED SOILS

Appendix G-1	Soil Associations and Limitations Crossed by the Proposed Midcontinent Express Pipeline Project
Appendix G-2	Soil Associations Crossed by the Proposed Midcontinent Express Pipeline Project CenterPoint Lateral
Appendix G-3	Soil Associations Affected by the Proposed Midcontinent Express Pipeline Project Aboveground Facilities

APPENDIX G-1

**Soil Associations and Limitations Crossed by the Proposed
Midcontinent Express Pipeline Project**

APPENDIX G1

**TABLE G-1
Soil Associations And Limitations Crossed by the Midcontinent Express Pipeline Project**

Cumulative Length Crossed (miles)	Soil Series	Drainage Class	Class of Farmland ^a	Hydric Soil	Shallow Bedrock ^b	High Erosion Potential		Poor Revegetation Potential	Compaction Potential ^c
						Water	Wind		
Oklahoma									
2.19	Bosville-Bernow	Moderately Well to Well Drained	P, N	No	No	Yes	Yes	Yes	No
0.91	Muskogee-Durant-Boxville	Moderately Well to Well Drained	P	No	No	No	No	No	No
0.57	Ships-Oklared-Norwood-Kiomatia	Moderately Well to Well Drained	P, N	Yes	No	No	No	Yes	No
4.73	Verdigris-Durant-Dennis-Crockett	Somewhat Poorly to Well Drained	P, N	No	No	No	No	Yes	No
Texas									
0.31	Alazan fine sandy loam, 0 to 2 percent slopes	Moderately Well Drained	P	Yes	No	No	No	No	No
2.98	Annona loam, 1 to 4 percent slopes	Moderately Well Drained	N	Yes	No	No	No	No	No
0.61	Austin silty clay, 1 to 3 percent slopes	Well Drained	P	No	No	No	No	No	No
0.07	Belk clay, rarely flooded	Well Drained	P	No	No	No	No	No	No
1.76	Bernaldo fine sandy loam, 1 to 3 percent slopes	Well Drained	P	Yes	No	No	No	No	No
0.62	Bibb fine sandy loam, frequently flooded	Poorly Drained	N	Yes	No	No	No	Yes	No
9.59	Bowie fine sandy loam, 2 to 5 percent slopes	Well Drained	P	No	No	No	No	No	No
0.63	Briley loamy fine sand, 2 to 5 percent slopes	Well Drained	N	No	No	No	Yes	No	No
1.96	Burleson clay, 0 to 1 percent slopes	Moderately Well Drained	P	No	No	No	No	No	No
3.37	Crockett loam, 1 to 3 percent slopes	Moderately Well Drained	N	No	No	No	No	No	No

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APPENDIX G1

**TABLE G-1 (continued)
Soil Associations And Limitations Crossed by the Midcontinent Express Pipeline Project**

Cumulative Length Crossed (miles)	Soil Series	Drainage Class	Class of Farmland ^a	Hydric Soil	Shallow Bedrock ^b	High Erosion Potential		Poor Revegetation Potential	Compaction Potential ^c
						Water	Wind		
Texas (continued)									
0.84	Crockett silt loam, 0 to 1 percent slopes	Moderately Well Drained	N	Yes	No	No	No	No	No
1.35	Crockett silt loam, 1 to 3 percent slopes	Moderately Well Drained	N	No	No	No	No	No	No
0.28	Crockett silt loam, 2 to 5 percent slopes, severely eroded	Moderately Well Drained	N	No	No	Yes	No	No	No
0.08	Cuthbert and Redsprings soils, 15 to 40 percent slopes, stony	Well Drained	N	No	No	Yes	No	Yes	No
5.3	Cuthbert fine sandy loam, 5 to 15 percent slopes	Well Drained	N	No	No	Yes	No	Yes	No
1.98	Cuthbert gravelly fine sandy loam, 5 to 15 percent slopes	Well Drained	N	No	No	Yes	No	Yes	No
1.66	Darco loamy fine sand, 2 to 5 percent slopes	Somewhat Excessively Drained	N	No	No	No	Yes	No	No
0.01	Darco loamy fine sand, 8 to 15 percent slopes	Somewhat Excessively Drained	N	No	No	Yes	Yes	Yes	No
0.04	Delta Loam, frequently flooded	Moderately Well Drained	N	No	No	No	No	Yes	No
3.54	Deport clay, 0 to 1 percent slopes	Somewhat Poorly Drained	P	No	No	No	No	No	Yes
2.61	Deport clay, 1 to 3 percent slopes	Somewhat Poorly Drained	P	Yes	No	No	No	No	Yes
3.75	Derly silt loam, 0 to 1 percent slopes	Poorly Drained	N	Yes	No	No	No	No	Yes

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APPENDIX G1

**TABLE G-1 (continued)
Soil Associations And Limitations Crossed by the Midcontinent Express Pipeline Project**

Cumulative Length Crossed (miles)	Soil Series	Drainage Class	Class of Farmland ^a	Hydric Soil	Shallow Bedrock ^b	High Erosion Potential		Poor Revegetation Potential	Compaction Potential ^c
						Water	Wind		
Texas (continued)									
0.63	Derly-Raino complex, 0 to 1 percent slopes	Poorly Drained	N	Yes	No	No	No	No	Yes
0.24	Duffern fine sand, 1 to 5 percent slopes	Excessively Drained	N	No	No	No	Yes	No	No
0.14	Eastwood very fine sandy loam, 5 to 15 percent slopes	Well Drained	N	No	No	Yes	No	Yes	No
1.18	Elbon silty clay loam, 0 to 1 percent slopes, frequently flooded	Moderately Well Drained	N	No	No	No	No	Yes	No
0.88	Erno-Thage complex, 0 to 2 percent slopes	Somewhat Poorly to Well Drained	P	No	No	No	No	No	No
5.24	Estes clay loam, frequently flooded	Somewhat Poorly Drained	N	Yes	No	No	No	Yes	Yes
2.17	Ferris clay, 5 to 12 percent slopes, eroded	Well Drained	N	No	No	Yes	No	Yes	No
4.46	Freestone fine sandy loam, 1 to 3 percent slopes	Moderately Well Drained	P	Yes	No	No	No	No	No
2.14	Freestone-Hicota complex, 0 to 3 percent slopes	Moderately Well Drained	P	Yes	No	No	No	No	No
0.38	Gallime fine sandy loam, 1 to 5 percent slopes	Well Drained	P	Yes	No	No	No	No	No
1.64	Gallime-Guyton complex, 0 to 2 percent slopes	Very Poorly to Well Drained	P(D)	Yes	No	No	No	No	No
0.16	Guyton silt loam, 0 to 1 percent slopes, frequently flooded	Very Poorly to Poorly Drained	N	Yes	No	No	No	Yes	Yes

APPENDIX G1

**TABLE G-1 (continued)
Soil Associations And Limitations Crossed by the Midcontinent Express Pipeline Project**

Cumulative Length Crossed (miles)	Soil Series	Drainage Class	Class of Farmland ^a	Hydric Soil	Shallow Bedrock ^b	High Erosion Potential		Poor Revegetation Potential	Compaction Potential ^c
						Water	Wind		
Texas (continued)									
0.07	Hainesville fine sand, 0 to 2 percent slopes	Somewhat Excessively Drained	N	Yes	No	No	Yes	No	No
0.59	Heiden clay, 2 to 5 percent slopes	Well Drained	P	No	No	No	No	No	No
0.5	Heiden-Ferris complex, 3 to 5 percent, slopes	Well Drained	P	Yes	No	No	No	No	No
0.32	Hopco silty clay loam, occasionally flooded	Somewhat Poorly Drained	P	Yes	No	No	No	No	Yes
0.86	Houston Black clay, 0 to 1 percent slopes	Moderately Well Drained	P	No	No	No	No	No	No
3.83	Houston Black clay, 1 to 3 percent slopes	Moderately Well Drained	P	No	No	No	No	No	No
1.15	Iulus fine sandy loam, frequently flooded	Moderately Well Drained	N	Yes	No	No	No	Yes	No
1.2	Karma loam, 0 to 2 percent slopes	Well Drained	P	Yes	No	No	No	No	No
0.05	Karma loam, 5 to 12 percent slopes, eroded	Well Drained	N	No	No	Yes	No	Yes	No
3.65	Kaufman clay, 0 to 1 percent slopes, frequently flooded	Moderately Well Drained	N	Yes	No	No	No	Yes	No
1.22	Kirvin gravelly fine sandy loam, 2 to 5 percent slopes	Well Drained	N	No	No	No	No	No	No
2.08	Kirvin very fine sandy loam, 2 to 5 percent slopes	Well Drained	N	No	No	No	No	No	No
1.13	Kirvin very fine sandy loam, 3 to 8 percent slopes	Well Drained	N	No	No	Yes	No	No	No

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APPENDIX G1

**TABLE G-1 (continued)
Soil Associations And Limitations Crossed by the Midcontinent Express Pipeline Project**

Cumulative Length Crossed (miles)	Soil Series	Drainage Class	Class of Farmland ^a	Hydric Soil	Shallow Bedrock ^b	High Erosion Potential		Poor Revegetation Potential	Compaction Potential ^c
						Water	Wind		
Texas (continued)									
0.34	Lamar clay loam, 5 to 8 percent slopes	Well Drained	N	No	No	Yes	No	No	No
1.05	Lassiter silt loam, 0 to 1 percent slopes, frequently flooded	Moderately Well Drained	N	Yes	No	No	No	Yes	No
0.56	Latch loamy fine sand, 0 to 2 percent slopes	Moderately Well Drained	N	Yes	No	No	Yes	No	No
0.98	Leson clay, 1 to 3 percent slopes	Moderately Well Drained	P	No	No	No	No	No	No
2.6	Lilbert loamy fine sand, 2 to 5 percent slopes	Well Drained	N	No	No	No	Yes	No	No
3.65	Kaufman clay, 0 to 1 percent slopes, frequently flooded	Moderately Well Drained	N	Yes	No	No	No	Yes	No
0.51	Mabank-Crockett complex, 0 to 1 percent slopes	Moderately Well Drained	N	Yes	No	No	No	No	No
0.47	Mantachie loam, frequently flooded	Somewhat Poorly Drained	N	Yes	No	No	No	Yes	No
1.05	Mollville loam, 0 to 1 percent slopes	Poorly Drained	N	Yes	No	No	No	No	Yes
0.27	Mollville-kildare complex, 0 to 1 percent slopes	Very Poorly to Poorly Drained	P	Yes	No	No	No	No	Yes
0.06	Morse clay, 5 to 12 percent slopes, eroded	Well Drained	N	No	No	Yes	No	Yes	No
0.11	Muldrow clay loam, rarely flooded	Somewhat Poorly Drained	N	Yes	No	No	No	No	Yes
5.87	Nahatche loam silty clay loam, frequently flooded	Somewhat Poorly Drained	N	Yes	No	No	No	Yes	No

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APPENDIX G1

**TABLE G-1 (continued)
Soil Associations And Limitations Crossed by the Midcontinent Express Pipeline Project**

Cumulative Length Crossed (miles)	Soil Series	Drainage Class	Class of Farmland ^a	Hydric Soil	Shallow Bedrock ^b	High Erosion Potential		Poor Revegetation Potential	Compaction Potential ^c
						Water	Wind		
Texas (continued)									
1.45	Normangee clay loam, 1 to 3 percent slopes	Moderately Well Drained	N	No	No	No	No	No	No
0.78	Normangee clay loam, 2 to 6 percent slopes, eroded	Moderately Well Drained	N	No	No	Yes	No	No	No
0.51	Mabank-Crockett complex, 0 to 1 percent slopes	Moderately Well Drained	N	Yes	No	No	No	No	No
0.47	Mantachie loam, frequently flooded	Somewhat Poorly Drained	N	Yes	No	No	No	Yes	No
1.05	Mollville loam, 0 to 1 percent slopes	Poorly Drained	N	Yes	No	No	No	No	Yes
0.27	Mollville-kildare complex, 0 to 1 percent slopes	Very Poorly to Poorly Drained	P	Yes	No	No	No	No	Yes
0.06	Morse clay, 5 to 12 percent slopes, eroded	Well Drained	N	No	No	Yes	No	Yes	No
0.55	Norwood silt loam, rarely flooded	Well Drained	P	No	No	No	No	No	No
0.06	Okay loam, 0 to 1 percent slopes	Well Drained	P	No	No	No	No	No	No
0.21	Oklared-Kiomatia complex, occasionally flooded	Well Drained	N	No	No	No	Yes	No	No
0.24	Parisian silt loam, to 3 percent slopes	Moderately Well Drained	P	No	No	No	No	No	No
0.32	Redlake clay, rarely flooded	Moderately Well Drained	P	No	No	No	No	No	No
0.83	Rentzel loamy fine sand, 0 to 3 percent slopes	Moderately Well Drained	N	Yes	No	No	Yes	No	No

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APPENDIX G1

**TABLE G-1 (continued)
Soil Associations And Limitations Crossed by the Midcontinent Express Pipeline Project**

Cumulative Length Crossed (miles)	Soil Series	Drainage Class	Class of Farmland ^a	Hydric Soil	Shallow Bedrock ^b	High Erosion Potential		Poor Revegetation Potential	Compaction Potential ^c
						Water	Wind		
Texas (continued)									
0.31	Roxton clay, 0 to 1 percent slopes, frequently flooded	Poorly Drained	N	Yes	No	No	No	No	Yes
1.36	Sailes fine sandy loam, 1 to 5 percent slopes	Well Drained	P	No	No	No	No	No	No
0.51	Sardis-Manco complex, frequently flooded	Somewhat Poorly Drained	N	Yes	No	No	No	Yes	No
0.17	Severn silt loam, rarely flooded	Well Drained	P	No	No	No	No	No	No
0.26	Socagee silty clay loam, frequently flooded	Poorly Drained	N	Yes	No	No	No	Yes	Yes
0.29	Stephen silty clay, 1 to 3 percent slopes	Well Drained	N	No	No	No	No	No	No
0.19	Stephen-Eddy complex, 2 to 5 percent slopes	Well Drained	N	No	No	Yes	No	Yes	No
0.15	Tenaha loamy fine sand, 1 to 5 percent slopes	Well Drained	N	No	No	No	Yes	No	No
2.27	Tenaha loamy fine sand, 5 to 15 percent slopes	Well Drained	N	No	No	Yes	Yes	Yes	No
1.58	Trinity clay, 0 to 1 percent slopes, occasionally flooded	Moderately Well Drained	P	Yes	No	No	No	No	No
2.03	Varro clay loam, frequently flooded	Well Drained	N	Yes	No	No	No	Yes	No
0.13	Waskom silt loam, 0 to 1 percent slopes	Moderately Well Drained	P	Yes	No	No	No	No	No
0.12	Water	--	--	--	--	--	--	--	--
0.45	Whakana fine sandy loam, 1 to 5 percent slopes	Well Drained	P	No	No	No	No	No	No

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APPENDIX G1

**TABLE G-1 (continued)
Soil Associations And Limitations Crossed by the Midcontinent Express Pipeline Project**

Cumulative Length Crossed (miles)	Soil Series	Drainage Class	Class of Farmland ^a	Hydric Soil	Shallow Bedrock ^b	High Erosion Potential		Poor Revegetation Potential	Compaction Potential ^c
						Water	Wind		
Texas (continued)									
0.71	Whakana very fine sandy loam, 5 to 12 percent slopes	Well Drained	N	No	No	Yes	No	No	No
0.45	Whakana-Porum complex, 8 to 20 percent slopes	Moderately to Moderately Well Drained	N	No	No	No	No	Yes	No
0.72	Wilson silt loam, 0 to 1 percent slopes	Moderately Well Drained	N	No	No	No	No	No	Yes
1.66	Wilson silty loam, 0 to 2 percent slopes	Moderately Well Drained	N	No	No	No	No	No	No
0.13	Wolfpen loamy fine sand, 2 to 5 percent slopes	Well Drained	N	No	No	No	Yes	No	No
2.71	Woodtell fine sandy loam, 2 to 5 percent slopes	Well Drained	N	No	No	Yes	No	No	No
9.56	Woodtell fine sandy loam, 5 to 20 percent slopes	Well Drained	N	No	No	Yes	No	Yes	No
2.04	Woodtell loam, 5 to 12 percent slopes	Well Drained	N	No	No	Yes	No	Yes	No
1.43	Woodtell-Raino complex, 1 to 3 percent slopes	Well Drained	N	Yes	No	No	No	No	No
Louisiana									
0.09	Armistead clay, 0 to 1 percent slopes	Poorly Drained	P	No	No	No	No	No	Yes
4.18	Ashford silty clay, 0 to 1 percent slopes	Poorly Drained	N	Yes	No	No	No	No	Yes
0.21	Bernaldo fine sandy loam, 1 to 3 percent slopes	Well Drained	P	No	No	No	No	No	No

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APPENDIX G1

**TABLE G-1 (continued)
Soil Associations And Limitations Crossed by the Midcontinent Express Pipeline Project**

Cumulative Length Crossed (miles)	Soil Series	Drainage Class	Class of Farmland ^a	Hydric Soil	Shallow Bedrock ^b	High Erosion Potential		Poor Revegetation Potential	Compaction Potential ^c
						Water	Wind		
Louisiana (continued)									
0.25	Besner very fine sandy loam, 0 to 3 percent slopes	Well Drained	P	No	No	No	No	No	No
1.27	Betis loamy fine sand, 1 to 5 percent slopes	Somewhat Excessively Drained	N	No	No	No	Yes	No	No
0.14	Betis loamy fine sand, 5 to 12 percent slopes	Somewhat Excessively Drained	N	No	No	Yes	Yes	Yes	No
0.66	Bossier clay, frequently flooded	Poorly Drained	N	Yes	No	No	No	No	Yes
2.93	Bowie fine sandy loam, 1 to 5 percent slopes	Well Drained	P	No	No	No	No	No	No
0.29	Briley loamy fine sand, 1 to 5 percent slopes	Well Drained	N	No	No	No	Y	No	No
0.03	Bruin and Commerce soils, frequently flooded	Somewhat Poorly to Moderately Well Drained	N	Yes	No	No	No	Yes	No
1.63	Buxin clay, occasionally flooded	Poorly Drained	N	Yes	No	No	No	No	Yes
0.07	Cahaba fine sandy loam, 1 to 3 percent slopes	Well Drained	P	No	No	No	No	No	No
1.57	Calhoun silt loam	Poorly Drained	P	Yes	No	No	No	No	No
0.07	Calhoun-Calloway silt loams, gently undulating	Poorly to Moderately Well Drained	P	Yes	No	No	No	No	No
0.13	Calloway silt loam, 1 to 3 percent slopes	Somewhat Poorly Drained	P	No	No	No	No	No	No

APPENDIX G1

**TABLE G-1 (continued)
Soil Associations And Limitations Crossed by the Midcontinent Express Pipeline Project**

Cumulative Length Crossed (miles)	Soil Series	Drainage Class	Class of Farmland ^a	Hydric Soil	Shallow Bedrock ^b	High Erosion Potential		Poor Revegetation Potential	Compaction Potential ^c
						Water	Wind		
Louisiana (continued)									
0.06	Caplis very fine sandy loam, 0 to 1 percent slopes	Moderately Well Drained	P	No	No	No	No	No	No
3.29	Commerce silt loam	Somewhat Poorly Drained	P	No	No	No	No	No	No
3.28	Commerce silty clay loam	Somewhat Poorly Drained	P	No	No	No	No	No	No
0.56	Coushatta silt loam, 0 to 1 percent slopes	Well Drained	P	No	No	No	No	No	No
3.99	Darley gravelly fine sandy loam, 1 to 5 percent slopes	Well Drained	P	No	Undefined	No	No	No	No
4.67	Darley gravelly fine sandy loam, 5 to 12 percent slopes	Well Drained	N	No	Undefined	Yes	No	Yes	No
1.7	Darley-Sacul association, 12 to 30 percent slopes	Moderately Well to Well Drained	N	No	Undefined	Yes	No	Yes	No
3.61	Darly gravelly fine sandy loam, 12 to 30 percent slopes	Well Drained	N	No	Yes	Yes	No	Yes	No
3.97	Darly gravelly fine sandy loam, 5 to 12 percent slopes	Well Drained	N	No	Yes	Yes	No	Yes	No
0.12	Deerford silt loam	Somewhat Poorly Drained	N	No	No	No	No	No	No
0.13	Dexter silt loam, 1 to 3 percent slopes	Well Drained	P	No	No	No	No	No	No
0.06	Dexter silt loam, 3 to 5 percent slopes	Well Drained	P	No	No	No	No	No	No
0.34	Dubach fine sandy loam, 1 to 5 percent slopes	Well Drained	P	No	No	No	No	No	No

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APPENDIX G1

**TABLE G-1 (continued)
Soil Associations And Limitations Crossed by the Midcontinent Express Pipeline Project**

Cumulative Length Crossed (miles)	Soil Series	Drainage Class	Class of Farmland ^a	Hydric Soil	Shallow Bedrock ^b	High Erosion Potential		Poor Revegetation Potential	Compaction Potential ^c
						Water	Wind		
Louisiana (continued)									
0.14	Dundee silt loam	Somewhat Poorly Drained	P	No	No	No	No	No	Yes
3.99	Darley gravelly fine sandy loam, 1 to 5 percent slopes	Well Drained	P	No	Undefined	No	No	No	No
4.67	Darley gravelly fine sandy loam, 5 to 12 percent slopes	Well Drained	N	No	Undefined	Yes	No	Yes	No
1.5	Dundee silty clay loam	Somewhat Poorly Drained	P	No	No	No	No	No	Yes
0.79	Dundee-Sharkey complex, gently undulating	Very Poorly to Somewhat Poorly Drained	P	Yes	No	No	No	No	No
2.17	Forestdale silty clay loam, occasionally flooded	Poorly Drained	N	Yes	No	No	No	No	Yes
0.37	Frizzell silt loam	Somewhat Poorly Drained	P	No	No	No	No	No	No
2.64	Frizzell silt loam, 0 to 1 percent slopes	Somewhat Poorly Drained	P	No	No	No	No	No	No
0.13	Frizzell silt loam, 1 to 3 percent slopes	Somewhat Poorly Drained	P	No	No	No	No	No	No
0.65	Gallion silt loam	Well Drained	P	No	No	No	No	No	No
0.09	Gallion silty clay loam	Well Drained	P	No	No	No	No	No	No
0.51	Gigger silt loam, 1 to 3 percent slopes	Moderately Well Drained	P	No	No	No	No	No	No
1.06	Gigger-Gilbert silt loams, gently undulating	Poorly to Moderately Well Drained	P	Yes	No	No	No	No	No
1.36	Gilbert silt loam	Poorly Drained	P	Yes	No	No	No	No	No

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APPENDIX G1

**TABLE G-1 (continued)
Soil Associations And Limitations Crossed by the Midcontinent Express Pipeline Project**

Cumulative Length Crossed (miles)	Soil Series	Drainage Class	Class of Farmland ^a	Hydric Soil	Shallow Bedrock ^b	High Erosion Potential		Poor Revegetation Potential	Compaction Potential ^c
						Water	Wind		
Louisiana (continued)									
1.83	Gilbert-Egypt silt loams, gently undulating	Somewhat Poorly to Poorly Drained	P	Yes	No	No	No	No	No
0.76	Gore silt loam, 1 to 5 percent slopes	Moderately Well Drained	N	No	No	Yes	No	No	No
0.13	Gore silt loam, 5 to 12 percent slopes	Moderately Well Drained	N	No	No	Yes	No	Yes	No
2.91	Grenada silt loam, 8 to 12 percent slopes	Moderately Well Drained	P	No	No	No	No	No	No
2.05	Groom silt loam, occasionally flooded	Poorly Drained	N	Yes	No	No	No	No	No
1.7	Groom silty clay loam, frequently flooded	Poorly Drained	N	Yes	No	No	No	Yes	Yes
0.38	Gurdon silt loam, 1 to 3 percent slopes	Somewhat Poorly Drained	P	No	No	No	No	No	No
0.04	Gurdon very fine sandy loam, 1 to 3 percent slopes	Somewhat Poorly Drained	P	No	No	No	No	No	No
2.03	Guyton association	Very Poorly to Poorly Drained	P	Yes	No	No	No	No	Yes
1.14	Guyton silt loam, frequently flooded	Very Poorly to Poorly Drained	N	Yes	No	No	No	Yes	Yes
0.73	Guyton soils, frequently flooded	Very Poorly to Poorly Drained	N	Yes	No	No	No	Yes	No
1.59	Guyton-Messer complex	Very Poorly to Moderately Well Drained	P	Yes	No	No	No	No	No
0.58	Guyton-ouachita silt loams, frequently flooded	Very Poorly to Well Drained	N	Yes	No	No	No	Yes	Yes
0.09	Guyton-Rosebloom	Poorly Drained	N	Yes	No	No	No	Yes	Yes

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APPENDIX G1

**TABLE G-1 (continued)
Soil Associations And Limitations Crossed by the Midcontinent Express Pipeline Project**

Cumulative Length Crossed (miles)	Soil Series	Drainage Class	Class of Farmland ^a	Hydric Soil	Shallow Bedrock ^b	High Erosion Potential		Poor Revegetation Potential	Compaction Potential ^c
						Water	Wind		
Louisiana (continued)									
3.82	Hebert silt loam	Somewhat Poorly Drained	P	No	No	No	No	No	No
0.26	Hebert silty clay loam	Somewhat Poorly Drained	P	No	No	No	No	No	Yes
0.05	Hebert-Perry complex, occasionally flooded	Poorly to Somewhat Poorly Drained	N	Yes	No	No	No	No	Yes
0.07	Hebert-Perry soils, frequently flooded	Poorly to Somewhat Poorly Drained	N	Yes	No	No	No	Yes	Yes
0.14	Idee-Goodwill complex	Somewhat Poorly to Well Drained	P	No	No	No	No	No	No
3.42	Iuka-Dela complex, frequently flooded	Moderately Well Drained	N	No	No	No	No	Yes	No
0.02	Keithville very fine sandy loam	Moderately Well Drained	P	No	No	No	No	No	No
0.44	Kirvin fine sandy loam, 1 to 5 percent slopes	Well Drained	P	No	No	No	No	No	No
0.04	Latanier clay, 0 to 1 percent slopes	Somewhat Poorly Drained	P	No	No	No	No	No	Yes
1.5	Libuse silt loam, 1 to 5 percent slopes	Moderately Well Drained	P	No	No	No	No	No	No
0.36	Libuse silt loam, 5 to 8 percent slopes	Moderately Well Drained	N	No	No	Yes	No	No	No
0.05	Loring silt loam, 1 to 5 percent slopes	Moderately Well Drained	P	No	No	No	No	No	No
3.16	Mahan fine sandy loam, 1 to 5 percent slopes	Well Drained	P	No	No	No	No	No	No
0.79	Mahan fine sandy loam, 5 to 12 percent slopes	Well Drained	N	No	No	Yes	No	Yes	No

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APPENDIX G1

**TABLE G-1 (continued)
Soil Associations And Limitations Crossed by the Midcontinent Express Pipeline Project**

Cumulative Length Crossed (miles)	Soil Series	Drainage Class	Class of Farmland ^a	Hydric Soil	Shallow Bedrock ^b	High Erosion Potential		Poor Revegetation Potential	Compaction Potential ^c
						Water	Wind		
Louisiana (continued)									
3.32	Mahan fine sandy loam, 5 to 15 percent slopes	Well Drained	N	No	No	Yes	No	Yes	No
0.79	Malbis fine sandy loam, 1 to 5 percent slopes	Moderately Well to Well Drained	P	No	No	No	No	No	No
1.35	Malbis-Guyton-Gurdon	Very Poorly to Well Drained	N	Yes	No	No	No	Yes	Yes
0.35	McKamie very fine sandy loam, 5 to 15 percent slopes	Well Drained	N	No	No	Yes	No	Yes	No
0.15	McLaurin loamy fine sand, 1 to 3 percent slopes	Well Drained	P	No	No	No	Yes	No	No
0.38	Mer Rouge silt loam	Moderately Well Drained	P	No	No	No	No	No	No
0.06	Mer Rouge-Gallion complex	Moderately Well to Well Drained	P	No	No	No	No	No	No
1.05	(No Suggestions) complex, 0 to 1 percent slopes, occasionally flooded	Very Poorly to Somewhat Poorly Drained	N	Yes	No	No	No	Yes	Yes
0.78	Moreland clay	Somewhat Poorly Drained	P	No	No	No	No	No	Yes
1.68	Moreland clay, 0 to 1 percent slopes	Somewhat Poorly Drained	P	No	No	No	No	No	Yes
0.22	Necessity silt loam, 1 to 3 percent slopes	Somewhat Poorly Drained	P	No	No	No	No	No	No
0.56	Necessity-Gilbert silt loams, gently undulating	Poorly to Somewhat Poorly Drained	P	Yes	No	No	No	No	No
1.48	Ora fine sandy loam, 5 to 12 percent slopes	Moderately Well Drained	N	No	No	Yes	No	No	No

APPENDIX G1

**TABLE G-1 (continued)
Soil Associations And Limitations Crossed by the Midcontinent Express Pipeline Project**

Cumulative Length Crossed (miles)	Soil Series	Drainage Class	Class of Farmland ^a	Hydric Soil	Shallow Bedrock ^b	High Erosion Potential		Poor Revegetation Potential	Compaction Potential ^c
						Water	Wind		
Louisiana (continued)									
9.94	Ouachita-Iuka-Guyton	Very Poorly to Well Drained	N	Yes	No	No	No	Yes	No
1.67	Perry clay	Poorly Drained	P	Yes	No	No	No	No	Yes
5.2	Perry clay, 0 to 1 percent slopes	Poorly Drained	P	Yes	No	No	No	No	Yes
0.36	Perry clay, frequently flooded	Poorly Drained	N	Yes	No	No	No	No	Yes
0.13	Portland clay	Somewhat Poorly Drained	P	No	No	No	No	No	Yes
0.45	Portland silt loam	Somewhat Poorly Drained	P	No	No	No	No	No	Yes
0.73	Portland silty clay loam	Somewhat Poorly Drained	P	No	No	No	No	No	Yes
1.27	Providence silt loam	Moderately Well Drained	P	No	No	No	No	No	No
0.58	Rilla silt loam, 0 to 1 percent slopes	Well Drained	P	No	No	No	No	No	No
0.06	Rilla silt loam, 1 to 3 percent slopes	Well Drained	P	No	No	No	No	No	No
0.24	Rilla-Hebert	Somewhat Poorly to Well Drained	P	No	No	No	No	No	No
0.59	Rilla-Hebert silt loams, gently undulating	Somewhat Poorly to Well Drained	P	No	No	No	No	No	No
2.99	Ruston fine sandy loam, 1 to 5 percent slopes	Well Drained	P	No	No	No	No	No	No
2.71	Sacul fine sandy loam, 1 to 5 percent slopes	Moderately Well Drained	P	No	No	Yes	No	No	No
0.63	Sacul fine sandy loam, 15 to 40 percent slopes	Moderately Well Drained	N	No	No	Yes	No	Yes	No

G1-15

APPENDIX G1

**TABLE G-1 (continued)
Soil Associations And Limitations Crossed by the Midcontinent Express Pipeline Project**

Cumulative Length Crossed (miles)	Soil Series	Drainage Class	Class of Farmland ^a	Hydric Soil	Shallow Bedrock ^b	High Erosion Potential		Poor Revegetation Potential	Compaction Potential ^c
						Water	Wind		
Louisiana (continued)									
4.18	Sacul fine sandy loam, 5 to 15 percent slopes	Moderately Well Drained	N	No	No	Yes	No	Yes	No
1.9	Sacul very fine sandy loam, 5 to 12 percent slopes	Moderately Well Drained	N	No	No	Yes	No	Yes	No
17.46	Sacul-Darley	Moderately Well to Well Drained	P, N	No	No	Yes	No	Yes	No
2.6	Sacul-Mahan-Darley-Bowie	Moderately Well to Well Drained	P, N	No	No	Yes	No	Yes	No
1.39	Sacul-Ruple-Darley	Moderately Well to Well Drained	P, N	No	No	Yes	Yes	Yes	No
0.74	Savannah fine sandy loam, 1 to 5 percent slopes	Moderately Well Drained	P	No	No	No	No	No	No
0.46	Severn silt loam, 0 to 1 percent slopes	Well Drained	P	No	No	No	No	No	No
0.39	Severn very fine sandy loam	Well Drained	P	No	No	No	No	No	No
0.35	Severn very fine sandy loam, 1 to 3 percent slopes, occasionally flooded	Well Drained	N	No	No	No	No	No	No
0.36	Severn very fine sandy loam, frequently flooded	Well Drained	N	No	No	No	No	Yes	No
0.49	Severn very fine sandy loam, occasionally flooded	Well Drained	P	No	No	No	No	No	No
1.47	Sharkey and Tunica soils, frequently flooded	Very Poorly to Poorly Drained	N	Yes	No	No	No	Yes	Yes
14.37	Sharkey clay	Very Poorly to Poorly Drained	P	Yes	No	No	No	No	Yes

APPENDIX G1

**TABLE G-1 (continued)
Soil Associations And Limitations Crossed by the Midcontinent Express Pipeline Project**

Cumulative Length Crossed (miles)	Soil Series	Drainage Class	Class of Farmland ^a	Hydric Soil	Shallow Bedrock ^b	High Erosion Potential		Poor Revegetation Potential	Compaction Potential ^c
						Water	Wind		
Louisiana (continued)									
0.07	Sharkey clay, frequently flooded	Very Poorly to Poorly Drained	N	Yes	No	No	No	Yes	Yes
0.07	Sharkey clay, undulating	Very Poorly to Poorly Drained	P	Yes	No	No	No	No	Yes
1.16	Sharkey silty clay loam	Very Poorly to Poorly Drained	P	Yes	No	No	No	No	Yes
3.29	Sharkey-Tunica complex, gently undulating	Very Poorly to Poorly Drained	P	Yes	No	No	No	No	Yes
0.08	Smithdale fine sandy loam, 2 to 20 percent slopes	Well Drained	N	No	No	Yes	No	Yes	No
0.61	Smithdale fine sandy loam, 8 to 15 percent slopes	Well Drained	N	No	No	Yes	No	No	No
2.42	Sterlington silt loam	Well Drained	P	No	No	No	No	No	No
0.58	Sterlington silt loam, 0 to 1 percent slopes	Well Drained	P	No	No	No	No	No	No
0.07	Sterlington silt loam, 1 to 3 percent slopes	Well Drained	P	No	No	No	No	No	No
0.08	Sterlington very fine sandy loam, to 3 percent slopes	Well Drained	P	No	No	No	No	No	No
0.6	Sterlington-Hebert silt loams, gently undulating	Somewhat Poorly to Well Drained	P	No	No	No	No	No	No
0.88	Tensas silty clay	Somewhat Poorly Drained	P	No	No	No	No	No	Yes
2.36	Tensas-Sharkey complex, gently undulating	Very Poorly to Somewhat Poorly Drained	P	Yes	No	No	No	No	Yes
0.23	Terrace escarpments	--	--	--	--	--	--	No	--

G1-17

APPENDIX G1

**TABLE G-1 (continued)
Soil Associations And Limitations Crossed by the Midcontinent Express Pipeline Project**

Cumulative Length Crossed (miles)	Soil Series	Drainage Class	Class of Farmland ^a	Hydric Soil	Shallow Bedrock ^b	High Erosion Potential		Poor Revegetation Potential	Compaction Potential ^c
						Water	Wind		
Louisiana (continued)									
2.27	Tunica clay	Poorly Drained	P	No	No	No	No	No	Yes
0.06	Udifluvents	--	N	No	No	Yes	No	--	No
1.59	Water	--	--	--	--	--	--	--	--
3.09	Wolfpen-Sacul-Mahan-Darley	Well Drained	P, N	No	No	Yes	No	Yes	No
3.15	Wrightsville silt loam, 0 to 1 percent slopes	Poorly Drained	P(D)	Yes	No	No	No	No	Yes
4.69	Wrightsville-Kolin	Somewhat Poorly to Poorly Drained	N	Yes	No	Yes	No	Yes	No
0.18	Yorktown clay, frequently flooded	Very Poorly Drained	N	Yes	No	No	No	Yes	No
Mississippi									
2.08	Adler silt loam	Moderately Well Drained	P	Yes	No	No	No	No	No
0.85	Bibb fine sandy loam, frequently flooded	Poorly Drained	N	Yes	No	No	No	Yes	No
0.82	Bibb soils	Poorly Drained	N	Yes	No	No	No	Yes	No
2.13	Bibb-Chastain	Poorly Drained	N	Yes	No	No	No	Yes	Yes (Una Only)
0.75	Boswell fine sandy loam, 2 to 5 percent slopes	Moderately Well Drained	P	No	No	No	No	No	No
0.43	Boswell fine sandy loam, 5 to 8 percent slopes	Moderately Well Drained	SI	Yes	No	Yes	No	No	No
0.33	Boswell fine sandy loam, 8 to 12 percent slopes, eroded	Moderately Well Drained	N	Yes	No	Yes	No	Yes	No
0.19	Boswell sandy clay loam, 5 to 8 percent slopes, severely eroded	Moderately Well Drained	N	Yes	No	Yes	No	Yes	No
2.13	Bibb-Chastain	Poorly Drained	N	Yes	No	No	No	Yes	Yes (Una Only)

G1-18

APPENDIX G1

**TABLE G-1 (continued)
Soil Associations And Limitations Crossed by the Midcontinent Express Pipeline Project**

Cumulative Length Crossed (miles)	Soil Series	Drainage Class	Class of Farmland ^a	Hydric Soil	Shallow Bedrock ^b	High Erosion Potential		Poor Revegetation Potential	Compaction Potential ^c
						Water	Wind		
Mississippi (continued)									
5.25	Boswell, Shubuta, and Cuthbert fine sandy loams, 12 to 45 percent slopes	Well Drained	N	Yes	No	Yes	No	Yes	No
0.19	Bruno loamy fine sand	Excessively Drained	N	Yes	No	No	Yes	No	No
0.16	Cahaba fine sandy loam, 0 to 2 percent slopes	Well Drained	Y	Yes	No	No	No	No	No
0.2	Cahaba fine sandy loam, 2 to 5 percent slopes, eroded	Well Drained	Y	No	No	No	No	No	No
0.04	Cahaba fine sandy loam, 5 to 12 percent slopes, eroded	Well Drained	SI	Yes	No	Yes	No	No	No
1.58	Calloway silt loam	Somewhat Poorly Drained	P	Yes	No	No	No	No	No
0.97	Cascilla-Arkabutla association, frequently flooded	Somewhat Poorly to Well Drained	N	Yes	No	No	No	No	Yes
0.15	Cascilla-Chenneby association	Somewhat Poorly to Well Drained	N	Yes	No	No	No	No	No
0.11	Commerce silt loam	Somewhat Poorly Drained	P	Yes	No	No	No	No	No
0.34	Commerce, Robinsonville, and Crevasse soils	Somewhat Poorly to Excessively Drained	N	Yes	No	No	Yes	Yes	No
1.28	Eustis loamy sand 12 to 35 percent slopes	Somewhat Excessively Drained	N	Yes	No	Yes	Yes	No	No

G1-19

APPENDIX G1

**TABLE G-1 (continued)
Soil Associations And Limitations Crossed by the Midcontinent Express Pipeline Project**

Cumulative Length Crossed (miles)	Soil Series	Drainage Class	Class of Farmland ^a	Hydric Soil	Shallow Bedrock ^b	High Erosion Potential		Poor Revegetation Potential	Compaction Potential ^c
						Water	Wind		
Mississippi (continued)									
0.16	Eustis loamy sand 5 to 8 percent slopes	Somewhat Excessively Drained	SI	Yes	No	No	Yes	No	No
0.14	Eustis loamy sand 8 to 12 percent slopes	Somewhat Excessively Drained	N	Yes	No	Yes	Yes	Yes	No
0.88	Eustis loamy sand, terrace	Somewhat Excessively Drained	SI	Yes	No	No	Yes	No	No
1.03	Eutaw-Vaiden clays, deep	Somewhat Poorly to Excessively Drained	N	Yes	No	No	No	No	Yes
0.37	Falaya silt loam	Somewhat Poorly Drained	P	Yes	No	No	No	No	No
0.12	Flint fine sandy loam, loamy substratum, 2 to 5 percent slopes	Moderately Well Drained	Y	No	No	No	No	No	No
0.1	Freest fine sandy loam, 0 to 2 percent slopes	Moderately Well Drained	P	Yes	No	No	No	No	No
0.07	Freest fine sandy loam, 2 to 5 percent slopes	Moderately Well Drained	P	No	No	No	No	No	No
0.34	Freest loam, 5-8 percent slopes, eroded	Moderately Well Drained	N	Yes	No	No	No	No	No
0.11	Grenada silt loam, 0 to 2 percent slopes	Moderately Well Drained	P	Yes	No	No	No	No	No
2.49	Grenada silt loam, 2 to 5 percent slopes	Moderately Well Drained	P	No	No	No	No	No	No
1.47	Gullied land	--	N	Yes	No	Yes	No	Yes	No
0.23	Heidel sandy loam, 12 to 30 percent slopes	Well Drained	N	No	No	Yes	No	Yes	No

G1-20

APPENDIX G1

**TABLE G-1 (continued)
Soil Associations And Limitations Crossed by the Midcontinent Express Pipeline Project**

Cumulative Length Crossed (miles)	Soil Series	Drainage Class	Class of Farmland ^a	Hydric Soil	Shallow Bedrock ^b	High Erosion Potential		Poor Revegetation Potential	Compaction Potential ^c
						Water	Wind		
Mississippi (continued)									
1.22	Heidel sandy loam, 8 to 12 percent slopes	Well Drained	N	Yes	No	Yes	No	No	No
1.82	Heidel-Troup association, hilly	Well Drained	N	Yes	No	Yes	Yes	Yes	No
0.34	Houlka clay	Somewhat Poorly Drained	Y	Yes	No	No	No	No	Yes
0.12	Houston clay, 1 to 2 percent slopes	Moderately Well Drained	Y	Yes	No	No	No	No	No
0.1	luka soils, local alluvium	Moderately Well Drained	Y	Yes	No	No	No	No	No
2.26	Kirkville fine sandy loam, occasionally flooded	Moderately Well Drained	P(F)	Yes	No	No	No	No	No
1.18	Kirkville-Jena association, frequently flooded	Moderately Well to Well Drained	N	Yes	No	No	No	Yes	No
1.69	Kirkville-Mantachie complex	Somewhat Poorly to Moderately Well Drained	N	Yes	No	No	No	No	No
1.78	Loring silt loam, 2 to 5 percent slopes, eroded	Moderately Well Drained	P	No	No	No	No	No	No
2.79	Loring silt loam, 5 to 8 percent slopes, eroded	Moderately Well Drained	N	Yes	No	No	No	No	No
0.77	Loring silt loam, 8 to 17 percent slopes, severely eroded	Moderately Well Drained	N	Yes	No	Yes	No	Yes	No
0.34	Louin silty clay loam	Somewhat Poorly Drained	P	Yes	No	No	No	No	Yes
0.03	Mantachie fine sandy loam	Somewhat Poorly Drained	Y	Yes	No	No	No	No	No

G1-21

APPENDIX G1

**TABLE G-1 (continued)
Soil Associations And Limitations Crossed by the Midcontinent Express Pipeline Project**

Cumulative Length Crossed (miles)	Soil Series	Drainage Class	Class of Farmland ^a	Hydric Soil	Shallow Bedrock ^b	High Erosion Potential		Poor Revegetation Potential	Compaction Potential ^c
						Water	Wind		
Mississippi (continued)									
0.23	Mantachie soils, local alluvium	Somewhat Poorly Drained	Y	Yes	No	No	No	No	No
3.71	Mantachie, Bibb and luka soils	Poorly to Moderately Poorly Drained	N	Yes	No	No	No	Yes	No
1.8	Mantachie-Kirkville	Somewhat Poorly to Moderately Well Drained	P(F), P	No	No	No	No	Yes	No
1.51	Mantachie-Mathiston association, frequently flooded	Somewhat Poorly Drained	N	Yes	No	No	No	Yes	Yes
0.44	Mashulaville fine sandy loam, terrace	Poorly Drained	SI	Yes	No	No	No	No	No
0.5	McLaurin loamy sand, 2 to 5 percent slopes	Well Drained	P	No	No	No	No	No	No
0.52	McLaurin loamy sand, 5 to 8 percent slopes	Well Drained	SI	Yes	No	No	Yes	No	No
1.14	McLaurin-Heidel	Well Drained	N	No	No	Yes	No	No	No
1.24	McRaven silt loam	Somewhat Poorly Drained	P(D)	Yes	No	No	No	No	No
0.32	Memphis and Loring silt loams, 2 to 5 percent slopes, eroded	Moderately Well to Well Drained	N	No	No	No	No	No	No
1.3	Memphis and Loring silt loams, 5 to 8 percent slopes, severely eroded	Moderately Well to Well Drained	N	Yes	No	Yes	No	No	No

APPENDIX G1

**TABLE G-1 (continued)
Soil Associations And Limitations Crossed by the Midcontinent Express Pipeline Project**

Cumulative Length Crossed (miles)	Soil Series	Drainage Class	Class of Farmland ^a	Hydric Soil	Shallow Bedrock ^b	High Erosion Potential		Poor Revegetation Potential	Compaction Potential ^c
						Water	Wind		
Mississippi (continued)									
0.2	Memphis and Natchez silt loams, 12 to 17 percent slopes, severely eroded	Well Drained	N	Yes	No	Yes	No	Yes	No
3.9	Memphis and Natchez silt loams, 17 to 40 percent slopes, eroded	Well Drained	N	Yes	No	Yes	No	Yes	No
0.59	Memphis and Natchez silt loams, 8 to 12 percent slopes, severely eroded	Well Drained	N	Yes	No	Yes	No	Yes	No
0.53	Memphis silt loam, 0 to 2 percent slopes	Moderately Well to Well Drained	N	Yes	No	No	No	No	No
2.15	Memphis silt loam, 2 to 5 percent slopes, eroded	Well Drained	P	No	No	No	No	No	No
3.29	Memphis silt loam, 5 to 8 percent slopes, eroded	Well Drained	SI	Yes	No	No	No	No	No
2.12	Memphis silt loam, 8 to 17 percent slopes, severely eroded	Well Drained	N	Yes	No	Yes	No	Yes	No
2.76	Oaklimeter silt loam, occasionally flooded	Moderately Well Drained	P(F)	Yes	No	No	No	No	No
1.08	Oaklimeter-Ariel association	Moderately Well to Well Drained	N	Yes	No	No	No	No	No
0.67	Okolona clay, 1 to 3 percent slopes, eroded	Well Drained	P	No	No	No	No	No	No
0.14	Ora fine sandy loam, 2 to 5 percent slopes, eroded	Moderately Well Drained	Y	No	No	No	No	No	No

APPENDIX G1

**TABLE G-1 (continued)
Soil Associations And Limitations Crossed by the Midcontinent Express Pipeline Project**

Cumulative Length Crossed (miles)	Soil Series	Drainage Class	Class of Farmland ^a	Hydric Soil	Shallow Bedrock ^b	High Erosion Potential		Poor Revegetation Potential	Compaction Potential ^c
						Water	Wind		
Mississippi (continued)									
1.62	Ora fine sandy loam, 5 to 8 percent slopes, eroded	Moderately Well Drained	N	Yes	No	No	No	No	No
0.36	Ora fine sandy loam, 8 to 12 percent slopes, eroded	Moderately Well Drained	N	Yes	No	Yes	No	No	No
2.73	Petal and Smithdale soils, 15 to 35 percent slopes	Moderately Well to Well Drained	N	Yes	No	Yes	No	Yes	No
1.17	Petal and smith dale soils, 8 to 15 percent slopes	Moderately Well to Well Drained	N	Yes	No	No	No	Yes	No
0.28	Prentiss fine sandy loam, 0 to 2 percent slopes	Moderately Well Drained	Y	Yes	No	No	No	No	No
1.52	Providence silt loam, 2 to 5 percent slopes, eroded	Moderately Well Drained	P	No	No	No	No	No	No
4.62	Providence silt loam, 5 to 8 percent slopes, severely eroded	Moderately Well Drained	N	Yes	No	No	No	No	No
1.55	Providence silt loam, 8 to 15 percent slopes, eroded	Moderately Well Drained	SI	Yes	No	Yes	No	Yes	No
1.02	Providence-Smithdale association, hilly	Moderately Well Drained	N	Yes	No	Yes	No	Yes	No
3.86	Quitman loam, 0 to 2 percent slopes	Somewhat Poorly Drained	P	Yes	No	No	No	No	Yes
0.63	Quitman-Jena-Trebloc association, flooded	Poorly to Well Drained	SI	Yes	No	No	No	Yes	Yes
4.88	Riedtown silt loam	Moderately Well Drained	P	Yes	No	No	No	No	No

APPENDIX G1

**TABLE G-1 (continued)
Soil Associations And Limitations Crossed by the Midcontinent Express Pipeline Project**

Cumulative Length Crossed (miles)	Soil Series	Drainage Class	Class of Farmland ^a	Hydric Soil	Shallow Bedrock ^b	High Erosion Potential		Poor Revegetation Potential	Compaction Potential ^c
						Water	Wind		
Mississippi (continued)									
0.23	Ruston fine sandy loam, 12 to 17 percent slopes, eroded	Well Drained	N	Yes	No	Yes	No	Yes	No
0.94	Ruston fine sandy loam, 17 to 35 percent slopes, eroded	Well Drained	N	Yes	No	Yes	No	Yes	No
0.62	Ruston fine sandy loam, 2 to 5 percent slopes, eroded	Well Drained	P	No	No	No	No	No	No
1.68	Ruston fine sandy loam, 5 to 8 percent slopes, eroded	Well Drained	SI	Yes	No	No	No	No	No
0.25	Ruston fine sandy loam, 8 to 12 percent slopes, eroded	Well Drained	SI	Yes	No	Yes	No	No	No
0.07	Savannah fine sandy loam, 0 to 2 percent slopes	Moderately Well Drained	Y	Yes	No	No	No	No	No
0.9	Savannah fine sandy loam, 2 to 5 percent slopes, eroded	Moderately Well Drained	Y	No	No	No	No	No	No
2.39	Savannah loam, 5 to 8 percent slopes, eroded	Moderately Well Drained	SI	Yes	No	No	No	No	No
4.66	Savannah-Ora	Moderately Well Drained	P	No	No	No	No	No	No
2.32	Savannah-Quitman association, undulating	Somewhat Poorly to Moderately Well Drained	N	Yes	No	No	No	No	Yes
0.23	Shubuta fine sandy clay loam, 5 to 8 percent slopes, severely eroded	Well Drained	N	Yes	No	Yes	No	No	No

G1-25

APPENDIX G1

**TABLE G-1 (continued)
Soil Associations And Limitations Crossed by the Midcontinent Express Pipeline Project**

Cumulative Length Crossed (miles)	Soil Series	Drainage Class	Class of Farmland ^a	Hydric Soil	Shallow Bedrock ^b	High Erosion Potential		Poor Revegetation Potential	Compaction Potential ^c
						Water	Wind		
Mississippi (continued)									
0.36	Shubuta fine sandy clay loam, 8 to 12 percent slopes, severely eroded	Well Drained	N	Yes	No	Yes	No	Yes	No
0.06	Shubuta fine sandy loam, 2 to 5 percent slopes, eroded	Well Drained	Y	No	No	No	No	No	No
1.06	Shubuta fine sandy loam, 5 to 8 percent slopes	Well Drained	SI	Yes	No	No	No	No	No
0.84	Shubuta fine sandy loam, 5 to 8 percent slopes, eroded	Well Drained	SI	Yes	No	No	No	No	No
0.52	Shubuta fine sandy loam, 8 to 12 percent slopes	Well Drained	SI	Yes	No	Yes	No	No	No
0.36	Shubuta fine sandy loam, 8 to 12 percent slopes, eroded	Well Drained	SI	Yes	No	Yes	No	No	No
1	Smithdale fine sandy loam, 15 to 25 percent slopes	Well Drained	N	Yes	No	Yes	No	Yes	No
0.29	Smithdale fine sandy loam, 15 to 35 percent slopes	Well Drained	N	Yes	No	Yes	No	Yes	No
0.38	Smithdale fine sandy loam, 8 to 12 percent slopes, eroded	Well Drained	SI	Yes	No	Yes	No	No	No
0.62	Smithdale fine sandy loam, 8 to 15 percent slopes, eroded	Well Drained	N	Yes	No	No	No	Yes	No
1.48	Smithdale fine sandy loam, 8 to 17 percent slopes, eroded	Well Drained	N	Yes	No	Yes	No	Yes	No

G1-26

APPENDIX G1

**TABLE G-1 (continued)
Soil Associations And Limitations Crossed by the Midcontinent Express Pipeline Project**

Cumulative Length Crossed (miles)	Soil Series	Drainage Class	Class of Farmland ^a	Hydric Soil	Shallow Bedrock ^b	High Erosion Potential		Poor Revegetation Potential	Compaction Potential ^c
						Water	Wind		
Mississippi (continued)									
2.94	Smithdale-Lucy association, 12 to 40 percent slopes	Well Drained	N	Yes	No	Yes	Y	Yes	No
0.19	Smithdale-Lucy association, hilly	Well Drained	N	Yes	No	Yes	No	Yes	No
4.53	Smithdale-Providence association, hilly	Moderately to Well Drained	N	Yes	No	Yes	No	Yes	No
4.06	Smithdale-Providence complex, 8 to 17 percent slopes	Moderately to Well Drained	N	Yes	No	Yes	No	Yes	No
1.24	Smithdale-Providence-Kisatchie association, hilly	Moderately to Well Drained	N	Yes	No	Yes	No	Yes	No
5.35	Smithdale-Ruston-Malbis	Moderately Well to Well Drained	N, P	No	No	Yes	No	Yes	No
1.22	Smithdale-Ruston-Ora	Moderately Well to Well Drained	N	No	No	Yes	No	Yes	No
0.94	Stough fine sandy loam, 0 to 2 percent slopes	Somewhat Poorly Drained	SI	Yes	No	No	No	No	No
0.3	Sumter clay, 5 to 12 percent slopes, severely eroded	Well Drained	N	Yes	Yes	Yes	No	Yes	No
0.14	Sumter clay, 5 to 8 percent slopes, eroded	Well Drained	SI	Yes	Yes	Yes	No	No	No
0.22	Susquehanna fine sandy loam, 5 to 8 percent slopes, eroded	Somewhat Poorly Drained	SI	Yes	No	Yes	No	Yes	Yes
2.09	Sweatman association, hilly	Well Drained	N	Yes	No	Yes	No	Yes	No

APPENDIX G1

**TABLE G-1 (continued)
Soil Associations And Limitations Crossed by the Midcontinent Express Pipeline Project**

Cumulative Length Crossed (miles)	Soil Series	Drainage Class	Class of Farmland ^a	Hydric Soil	Shallow Bedrock ^b	High Erosion Potential		Poor Revegetation Potential	Compaction Potential ^c
						Water	Wind		
Mississippi (continued)									
2.7	Sweatman fine sandy loam, 8 to 17 percent slopes, eroded	Well Drained	N	Yes	No	Yes	No	Yes	No
2.16	Sweatman-Smithdale association, hilly	Well Drained	N	Yes	No	Yes	No	Yes	No
0.93	Sweatman-Smithdale complex, 8 to 20 percent slopes, eroded	Well Drained	N	Yes	No	Yes	No	Yes	No
2.18	Sweatman-Smithdale-Ora	Moderately Well to Well Drained	N, P, SI	No	No	Yes	No	Yes	No
0.47	Tilden fine sandy loam, 2 to 5 percent slopes, eroded	Moderately Well Drained	Y	No	No	No	No	No	No
0.04	Tilden fine sandy loam, 5 to 8 percent slopes, eroded	Moderately Well Drained	SI	Yes	No	No	No	No	No
0.1	Tippah silt loam, 5 to 8 percent slopes, eroded	Moderately Well Drained	N	Yes	No	No	No	No	No
0.36	Tippo silt loam, 0 to 2 percent slopes, occasionally flooded	Somewhat Well Drained	P(F)	Yes	No	No	No	No	No
0.19	Trebloc silt loam, frequently flooded	Poorly Drained	P(D,F)	Yes	No	No	No	Yes	Yes
0.08	Troup loamy sand, 8 to 12 percent slopes	Somewhat Excessively Drained	N	Yes	No	Yes	Yes	Yes	No
1.28	Una-Marietta-Mantachie-Leeper-Griffith-Catalpa	Poor to Moderately Well Drained	P(D), P(F)	Yes	No	No	No	Yes	Yes
1.5	Urbo	Somewhat Poorly Drained	P(D)	Yes	No	No	No	No	Yes

APPENDIX G1

**TABLE G-1 (continued)
Soil Associations And Limitations Crossed by the Midcontinent Express Pipeline Project**

Cumulative Length Crossed (miles)	Soil Series	Drainage Class	Class of Farmland ^a	Hydric Soil	Shallow Bedrock ^b	High Erosion Potential		Poor Revegetation Potential	Compaction Potential ^c
						Water	Wind		
Mississippi (continued)									
0.25	Vaiden clay, deep, 0 to 2 percent slopes	Somewhat Poorly Drained	Y	Yes	No	No	No	No	Yes
0.67	Vaiden clay, deep, 2 to 5 percent slopes, eroded	Somewhat Poorly Drained	Y	No	No	No	No	No	Yes
0.04	Vaiden clay, deep, 8 to 12 percent slopes, eroded	Somewhat Poorly Drained	N	Yes	No	Yes	No	Yes	Yes
0.54	Vaiden silty clay loam, 2 to 5 percent slopes	Somewhat Poorly Drained	P	No	No	No	No	No	Yes
0.27	Wakeland silt loam	Somewhat Poorly Drained	P	Yes	No	No	No	No	No
0.52	Water	--	--	--	--	--	--	--	--
0.77	Waverly and Falaya silt loams	Poor to Somewhat Poorly Drained	N	Yes	No	No	No	Yes	Yes
0.6	West point clay	Moderately Well Drained	P(D,F)	No	No	No	No	No	No
Alabama									
1.21	Arundel-Cantuche	Well Drained	N	Yes	Yes	Yes	No	Yes	No
0.26	Bibb-luka	Poor to Moderately Well Drained	N	Yes	No	No	No	Yes	No
0.08	Boykin	Well Drained	N	Yes	No	No	Yes	No	No
1.42	Boykin-Luverne-Smithdale	Well Drained	N	Yes	No	Yes	Yes	Yes	No
0.22	Izagora	Moderately Well Drained	P	Yes	No	No	No	No	No
0.12	Lauderdale-Arundel	Well Drained	N	No	Yes	No	No	No	No
0.04	Luverne	Well Drained	P	No	No	No	No	No	No

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APPENDIX G1

**TABLE G-1 (continued)
Soil Associations And Limitations Crossed by the Midcontinent Express Pipeline Project**

Cumulative Length Crossed (miles)	Soil Series	Drainage Class	Class of Farmland ^a	Hydric Soil	Shallow Bedrock ^b	High Erosion Potential		Poor Revegetation Potential	Compaction Potential ^c
						Water	Wind		
Alabama (continued)									
0.15	McCrary-Deerford	Somewhat Poorly to Poorly Drained	N	Yes	No	No	No	No	Yes
0.5	Ochlockonee-Kinston-luka	Poorly to Well Drained	N	Yes	No	No	No	No	Yes
0.6	Smithdale loamy fine sand	Well Drained	N	Yes	No	Yes	Yes	No	No
0.88	Smithdale sandy loam	Well Drained	P	No	No	No	No	No	No
Notes:									
Source: SSURGO databases (NRCS 2006; 2007)									
^a Farmland classes: P = Prime Farmland; N = not classified as farmland; U = unique farmland; SI = farmland of statewide importance; P(I) = prime farmland if irrigated; P(I,F) = prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season; P(D) = prime farmland if drained.									
^b Includes soils that have paralithic bedrock within 60 inches of the soil surface.									
^c Includes soils that have clay loam or finer textures in somewhat poor, poor, or very poor drainage classes.									